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FIG.1

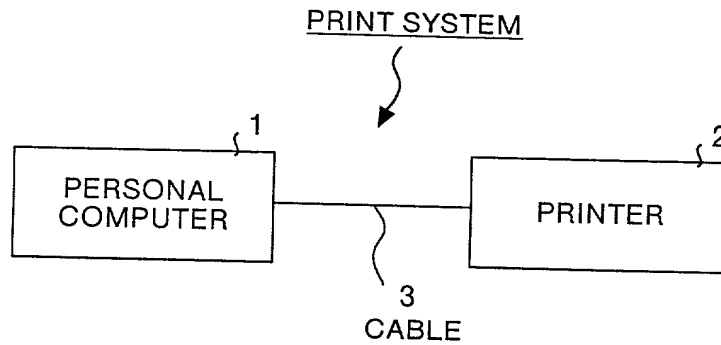


FIG.2

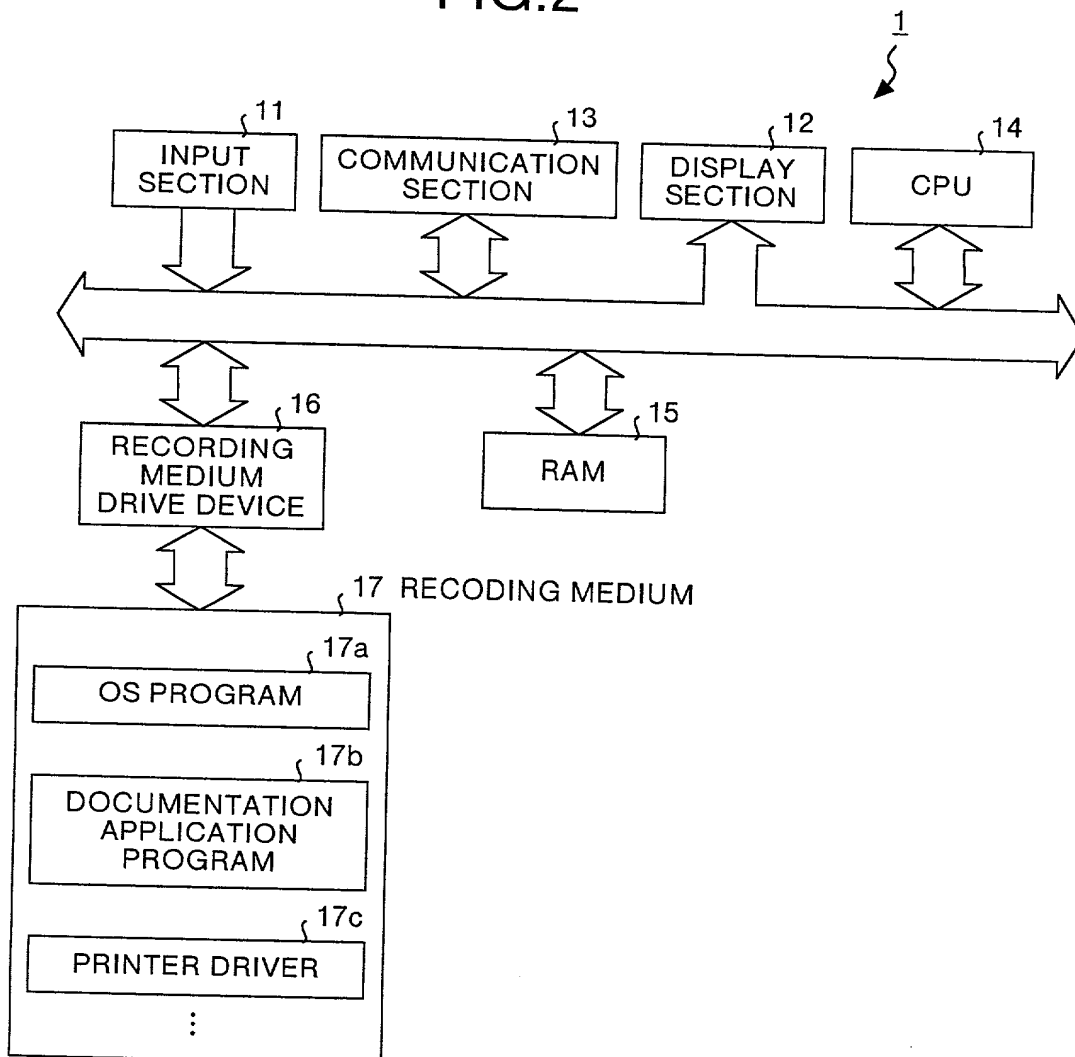
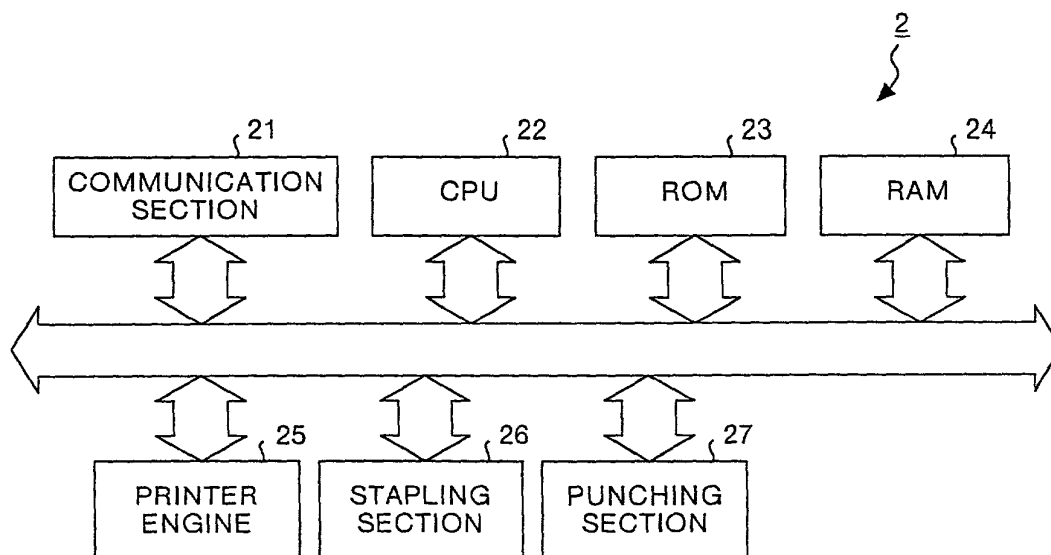


FIG. 1

FIG.3



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FIG.4

	PRINTING CONDITION	FILE NAME	IMAGE DATA
DOCUMENT BASE IMAGE	DOCUMENT: LENGTHWISE PRINTING PAPER: LENGTHWISE	I1MP.bmp	
	DOCUMENT: SIDEWISE PRINTING PAPER: SIDEWISE	I1ML.bmp	
	AGGREGATION, PRINTING TWO PAGES→ONE PAGE DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	I2MP.bmp	
	AGGREGATION, PRINTING TWO PAGES→ONE PAGE DOCUMENT: SIDEWISE PRINTING PAPER: LENGTHWISE	I2ML.bmp	
	⋮		
AGGREGATED PARTITION LINE	PARTITION LINE FOR PRINTING TWO PAGES IN ONE PAGE DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	ILin2P.bmp	
	PARTITION LINE FOR PRINTING TWO PAGES IN ONE PAGE DOCUMENT: SIDEWISE PRINTING PAPER: LENGTHWISE	ILin2L.bmp	
	⋮		
ARROWS INDICATING AGGREGATED PRINTING ORDER	AGGREGATED PRINTING ORDER FOR PRINTING TWO PAGES IN ONE PAGE LEFT→RIGHT DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	IArr2AP.bmp	
	AGGREGATED PRINTING ORDER FOR PRINTING TWO PAGES IN ONE PAGE RIGHT→LEFT DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	IArr2BP.bmp	
	AGGREGATED PRINTING ORDER FOR PRINTING TWO PAGES IN ONE PAGE TOP→BOTTOM DOCUMENT: LENGTHWISE PRINTING PAPER: SIDEWISE	IArr2AL.bmp	
	⋮		
DOUBLE FACE	DOUBLE FACE/LEFT SIDE BINDING PRINTING PAPER: LENGTHWISE	IDupLP.bmp	
	DOUBLE FACE/RIGHT SIDE BINDING PRINTING PAPER: LENGTHWISE	IDupRP.bmp	
	DOUBLE FACE/UPPER SIDE BINDING PRINTING PAPER: LENGTHWISE	IDupTP.bmp	
	⋮		

FIG. 4

FIG.5

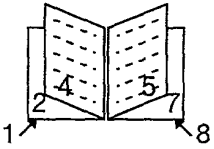
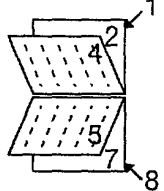
	PRINTING CONDITION	FILE NAME	IMAGE DATA
BINDING	BINDING/MINI-BOOK, LEFT OPENING DOCUMENT: LENGTHWISE, PRINTING PAPER: SIDEWISE	IBookALMP.bmp	
	BINDING/MINI-BOOK DOCUMENT: SIDEWISE, PRINTING PAPER: LENGTHWISE	IBookAML.bmp	
	⋮		
STAPLES	STAPLE/OBlique, ONE, LEFT PRINTING PAPER: LENGTHWISE	IStp1SLP.bmp	/
	STAPLE/TWO, LEFT PRINTING PAPER: LENGTHWISE	IStp2LP.bmp	
	STAPLE/TWO, RIGHT PRINTING PAPER: LENGTHWISE	IStp2RP.bmp	
	STAPLE/ONE, UPPER LEFT (DIRECTION UNCERTAIN) PRINTING PAPER: LENGTHWISE	IStp1_LP.bmp	*
	STAPLE/ONE, UPPER RIGHT (DIRECTION UNCERTAIN) PRINTING PAPER: LENGTHWISE	IStp1_RP.bmp	*
	⋮		
PUNCH	PUNCH/TWO, LEFT PRINTING PAPER: LENGTHWISE	PunLP.bmp	o o
	PUNCH/TWO, RIGHT PRINTING PAPER: LENGTHWISE	IPunRP.bmp	o o
	⋮		
⋮	⋮		

FIG. 5

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FIG.6

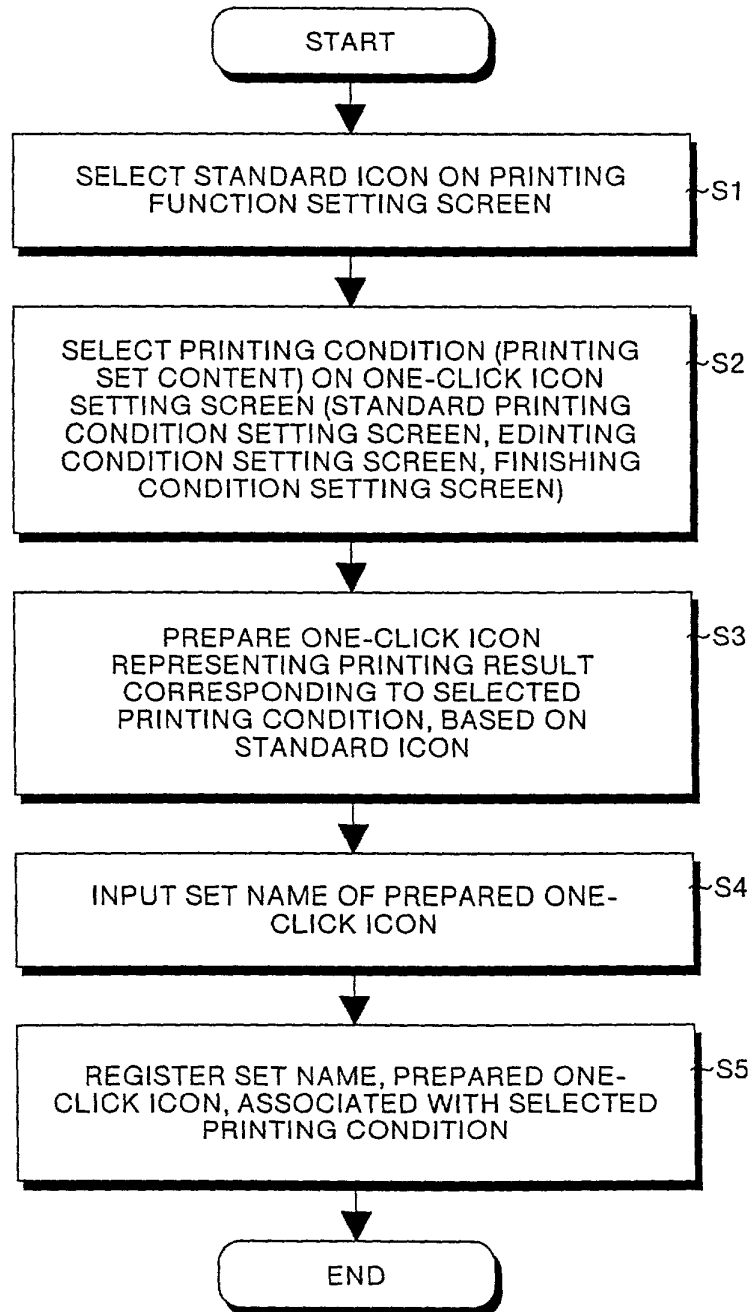


FIG. 6

FIG. 7

PRINTER PROPERTIES

PRINTING FUNCTIONS PRINTING QUALITY

ONE-CLICK SET NAME:

CONTROL OF ICON

11 NORMAL 12 AGGREGATED 13 STAMP (COPY) 14 DOUBLE FACE PRINTING 15 AGGREGATED (DOUBLE FACE) STAPLE

PAPER FEED TRAY:
AUTOMATIC TRAY SELECTION

PAPER TYPE:
REGULAR PAPER

PAPER EJECTING DESTINATION:
FINISHER TRAY 2

ONE-CLICK SETTING CREATION/CHANGE...

DOCUMENT ORIENTATION:
☒ LENGTHWISE
☐ SIDEWISE

DOCUMENT SIZE:
A4(210X297 mm)

PRINTING PAPER SIZE:
SAME AS DOCUMENT SIZE

NUMBER OF SETS: 1

PRINTING DIRECTION:
NORMAL PRINTING

DETAILS OF PRINTING METHOD..

RETURN TO STANDARD

INITIAL SETTING...

OK CANCEL APPLY (A) HELP

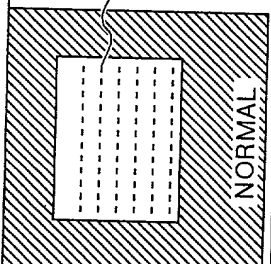
FIG. 7

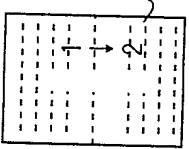
FIG.8

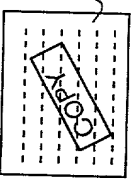
PRINTER PROPERTIES

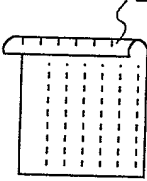
PRINTING FUNCTIONS PRINTING QUALITY

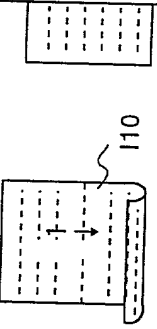
ONE-CLICK SET NAME: b1


 16
 NORMAL


 17
 AGGREGATED


 18
 STAMP (COPY)


 19
 DOUBLE FACE
PRINTING


 110
 AGGREGATED
(DOUBLE FACE) STAPLE

CONTROL OF ICON

PAPER FEED TRAY: AUTOMATIC TRAY SELECTION

PAPER TYPE: REGULAR PAPER

PAPER EJECTING DESTINATION: FINISHER TRAY 2

ONE-CLICK SETTING CREATION/CHANGE...

DOCUMENT ORIENTATION:
☒ LENGTHWISE
☐ SIDEWISE

DOCUMENT SIZE: A4(210X297 mm)

NUMBER OF SETS: 1

PRINTING DIRECTION: NORMAL PRINTING

DETAILS OF PRINTING METHOD..

PRINTING PAPER SIZE: SAME AS DOCUMENT SIZE

INITIAL SETTING...

RETURN TO STANDARD

OK CANCEL APPLY (A) HELP



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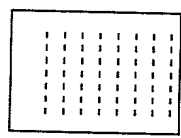
FIG.9

PRINTER PROPERTIES [?] [X]


BASIC EDITING FINISHING OTHERS d10

ONE-CLICK SET NAME: a10
NORMAL



PRINTING SIZE: a11
A4(210X297mm)



PRINTING PAPER SIZE:
SAME AS DOCUMENT SIZE

☐ STAMP a15

CONFIDENTIAL a15


ADD IMAGE STAMP...

☐ BINDING MARGIN : LEFT:0.0mm

DETAILS OF BINDING MARGIN...


☐ AGGREGATED OR ENLARGED RAPID SHOOTING : FROM LEFT TO RIGHT
☐ AGGREGATE TWO PAGES INTO ONE PAGE a13

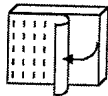
☒ PARTITION LINE a13

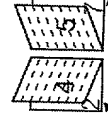


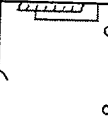
a12 d14

☐ DOUBLE FACE/BINDING DOUBLE FACE : OPEN TO THE LEFT a14









8 8

1

EDIT... DELETION...

ADD CHARACTER STAMP...

RETURN TO STANDARD

STORE WITH A NAME... b18

CANCEL HELP

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FIG.10

b11 b12 b13

BASIC CONDITION SETTING SCREEN

PRINTER PROPERTIES

BASIC EDITING FINISHING OTHERS

ONE-CLICK SET NAME: a10

DOCUMENT SIZE: A4(210X297 mm)

VARIABLE POWER a15

PAPER DESIGNATED VARIABLE POWER b14

100

PRINTING PAPER SIZE: SAME AS DOCUMENT SIZE

DOCUMENT ORIENTATION

☒ LENGTHWISE

☐ SIDEWISE

NUMBER OF SETS: 1

☐ CENTERING

☐ COVER

DETAILS OF THE COVER...

PRINTING METHOD: a11

NORMAL PRINTING

DETAILS OF PRINTING METHOD

PAPER FEED TRAY:

☐ AUTOMATIC TRAY SELECTION

PAPER TYPE: REGULAR PAPER

PAPER EJECTING DESTINATION: SYSTEM DEFAULT

☐ JOINED PAPER

DETAILS OF JOINED PAPER...

RETURN TO STANDARD

STORE WITH A NAME...

CANCEL

HELP

b18

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FIG.11

PRINTER PROPERTIES FINISHING CONDITION SETTING SCREEN

BASIC EDITING FINISHING OTHERS

ONE-CLICK SET NAME: a10

a11

d31 STAPLE a31 : UPPER LEFT

d32 PUNCH a32 : TWO ON THE LEFT SIDE

b18

RETURN TO STANDARD

STORE WITH A NAME... CANCEL HELP

FIG.12

ONE-CLICK ICON REGISTRATION SCREEN

INPUT ONE-CLICK SET NAME/COMMENT

ONE-CLICK SET NAME: a41

COMMENT OF ONE-CLICK SETTING: a42

OK CANCEL HELP

b41

ONE-CLICK ICON CONTROL SCREEN

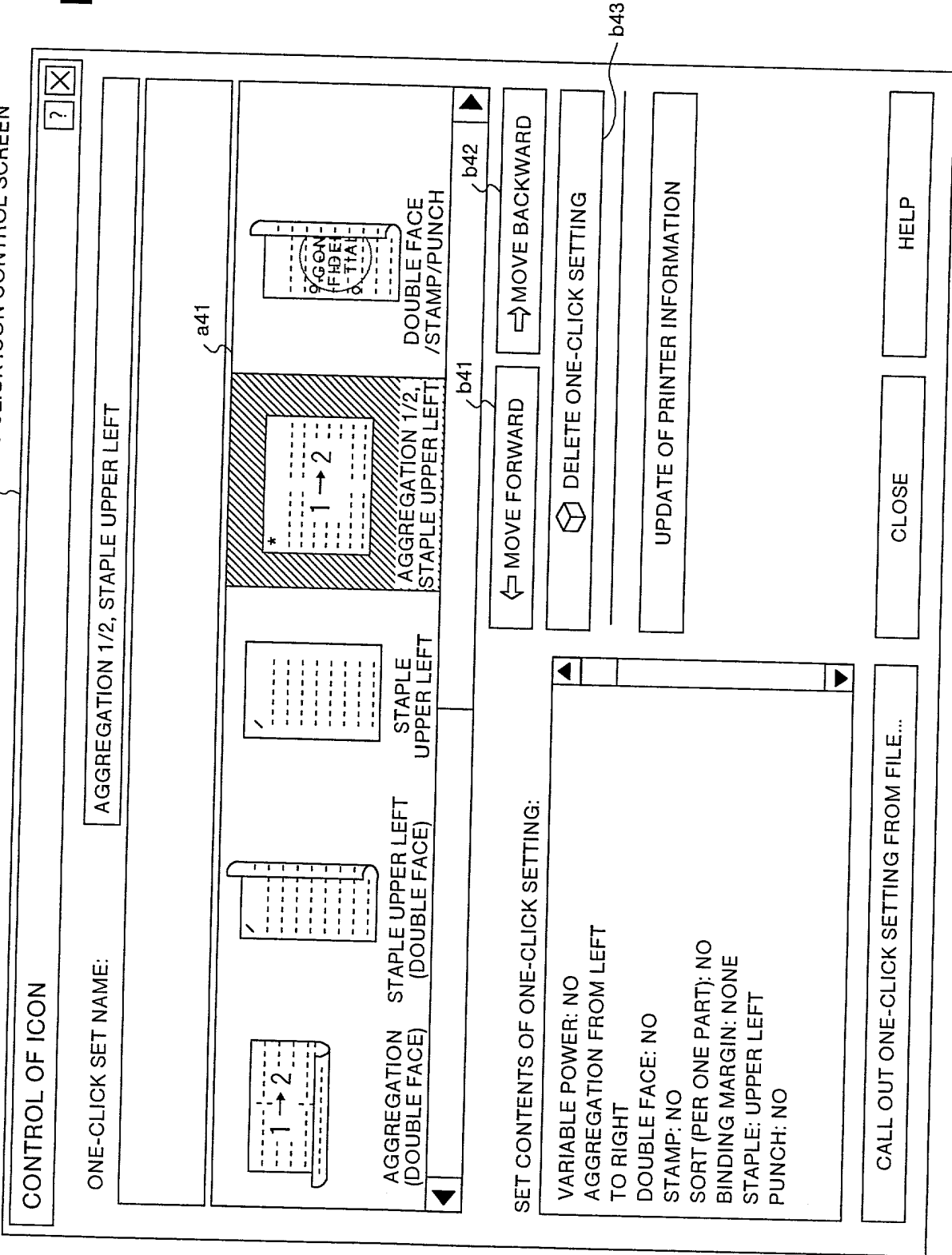


FIG. 13

FIG. 14

Figure 1 is a screenshot of a "PRINTER PROPERTIES" dialog box, specifically the "OTHERS" tab. The dialog box has a title bar with a question mark and a close button. The "OTHERS" tab is selected, showing various printer settings. The settings include:

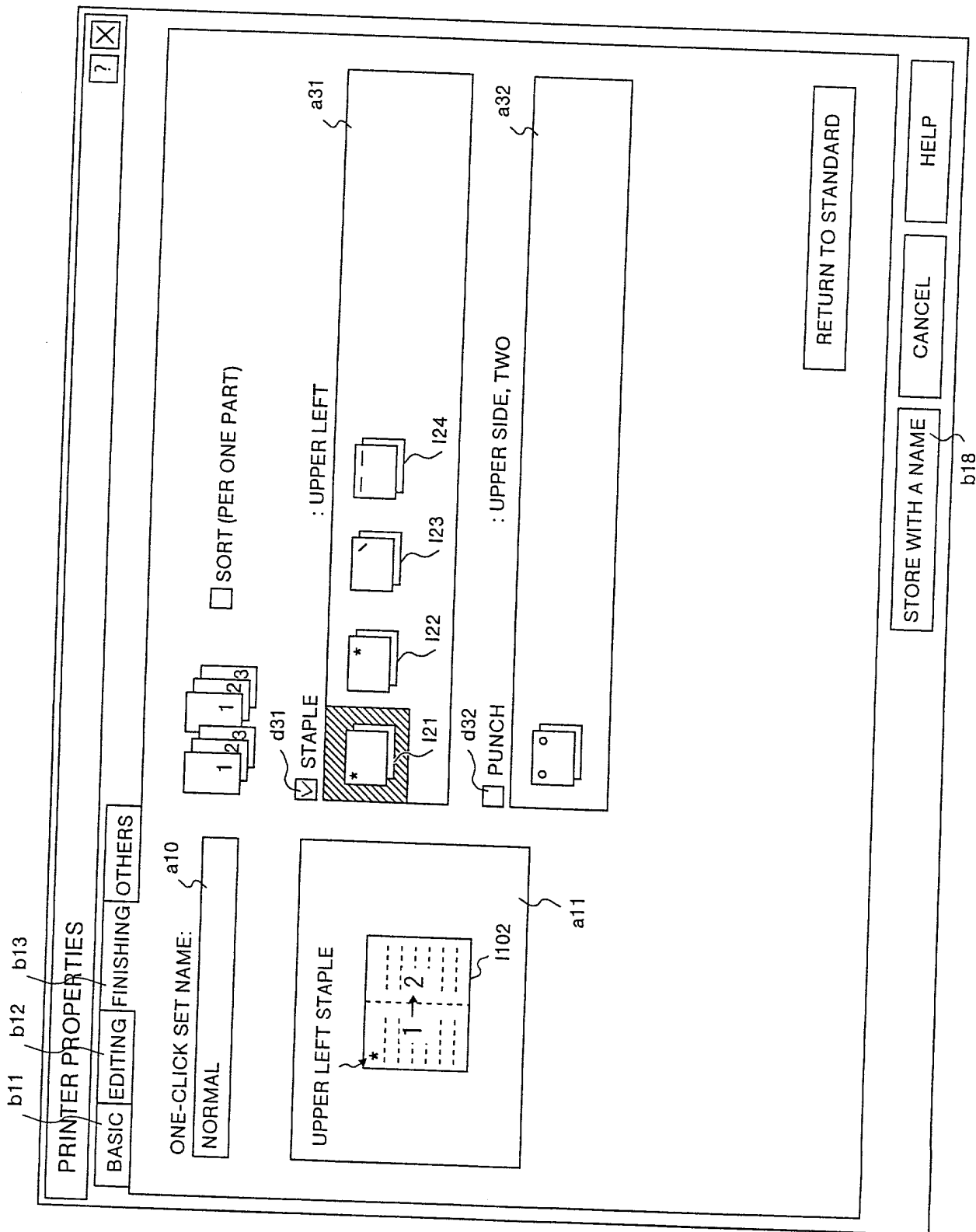
- ONE-CLICK SET NAME:** A dropdown menu set to "NORMAL".
- PRINTING SIZE:** A section showing "A4(210X297mm)" with a printer icon.
- PRINTING PAPER SIZE:** A section showing "SAME AS DOCUMENT SIZE".
- AGGREGATED OR ENLARGED RAPID SHOOTING : FROM LEFT TO RIGHT:** A checked checkbox and a "PARTITION LINE" dropdown menu.
- AGGREGATE TWO PAGES INTO ONE PAGE:** A checked checkbox and a preview of two pages (1 and 2) being merged.
- DOUBLE FACE/BINDING : DOUBLE FACE, OPEN TO LEFT:** An unchecked checkbox and a preview of a book being printed double-sided.
- STAMP:** An unchecked checkbox and a preview of a stamp.
- CONFIDENTIAL:** A dropdown menu.
- ADD IMAGE STAMP ...:** A button.
- BINDING MARGIN:** An unchecked checkbox and a preview of a document with margins.
- DETAILS OF BINDING MARGIN...:** A button.
- RETURN TO STANDARD:** A button.
- STORE WITH A NAME...:** A button.
- CANCEL:** A button.
- HELP:** A button.

The dialog box is labeled with various reference numerals (a10, a11, a12, a13, a14, a15, b11, b12, b13, b18, d10, d11, d12, d13, d14) pointing to specific elements.

FIG. 15

[illegible]

FIG. 16



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FIG.17

PRINTER PROPERTIES

PRINTING FUNCTION | PRINTING QUALITY

ONE-CLICK SET NAME: AGGREGATION 1/2, STAPLE: UPPER LEFT

CONTROL OF ICON

DOUBLE FACE
AGGREGATION (DOUBLE FACE)
11

STAPLE UPPER LEFT (DOUBLE FACE)
13

STAPLE UPPER LEFT (DOUBLE FACE)
14

AGGREGATION 1/2, STAPLE: UPPER LEFT
15

PAPER FEED TRAY:
AUTOMATIC TRAY SELECTION

PAPER TYPE:
REGULAR PAPER

PAPER EJECTING DESTINATION:
FINISHER TRAY 2

ONE-CLICK SETTING CREATION/CHANGE

DOCUMENT ORIENTATION:
☒ LENGTHWISE
☐ SIDEWISE

DOCUMENT SIZE:
A4 (210X297mm)

PRINTING PAPER SIZE:
SAME AS DOCUMENT SIZE

NUMBER OF SETS:
1

PRINTING DIRECTION:
NORMAL PRINTING

SETTING OF PRINTING METHOD
RETURN TO STANDARD

INITIAL SETTING

STORE WITH A NAME

CANCEL **HELP**

b1

a1

b2

a3

a2

a4

a5

b18

FIG. 18

PRINTER

BASIC EDITING FINISHING OTHERS

ONE-CLICK SET NAME:
NORMAL

PRINTING SIZE:
A4 (210 (297 MM)

PRINTING PAPER SIZE:
SAME AS DOCUMENT SIZE

AGGREGATED OR ENLARGED RAPID SHOOTING : FROM LEFT TO RIGHT
AGGREGATE TWO PAGES IN ONE PAGE

1 2 2 1

DOUBLE FACE/BINDING : DOUBLE FACE, OPEN TO LEFT

1 2 3 4 5 6 7 8

CONFIDENTIAL

ADD IMAGE STAMP

BINDING MARGIN : RIGHT FACE: 0.0 MM : REAR FACE : 0.0 MM

DETAILS OF BINDING MARGIN

ADD CHARACTER STAMP

EDIT DELETE

RETURN TO STANDARD

STORE WITH A NAME

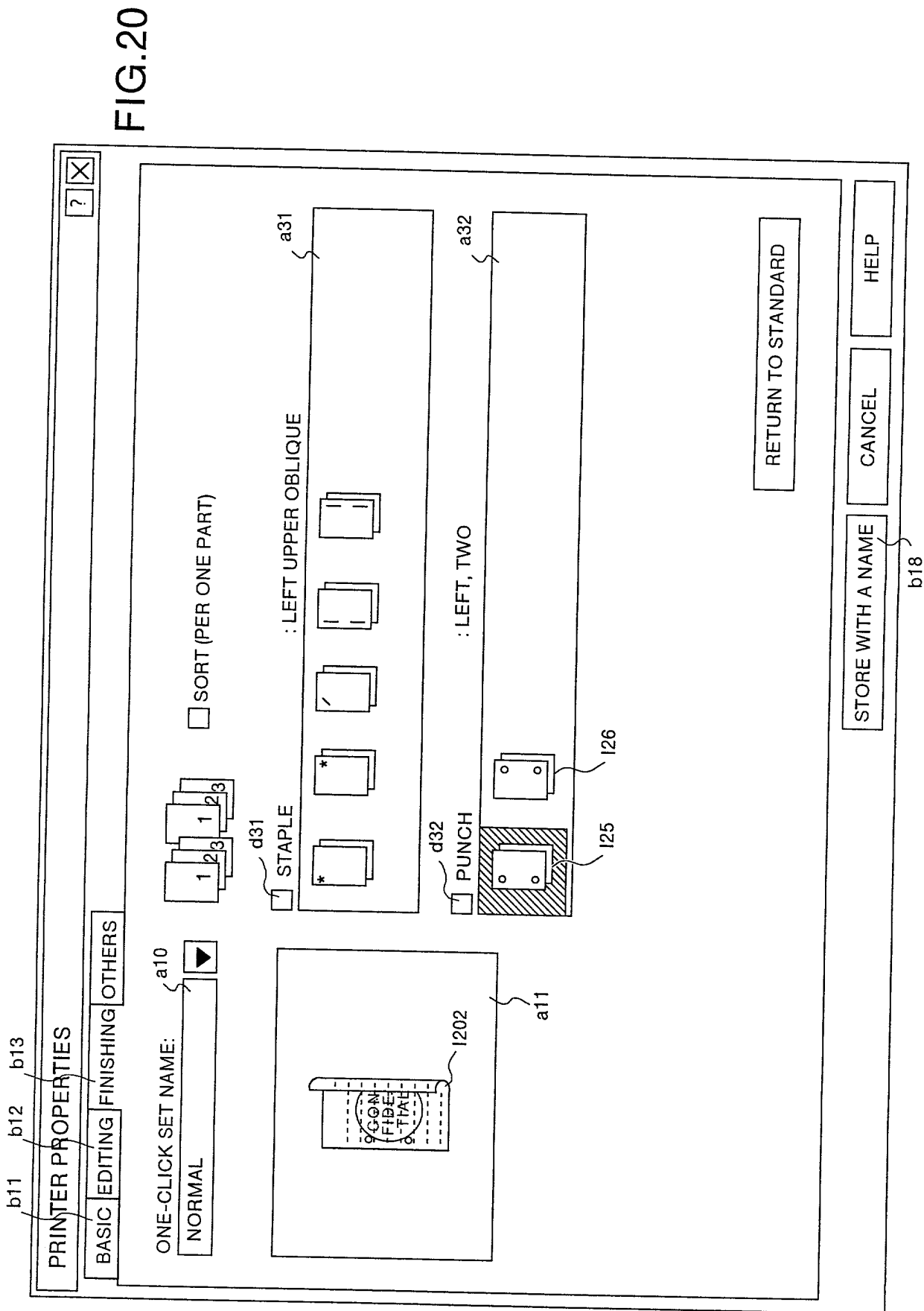
CANCEL HELP

FIG.19

FIG. 19 is a screenshot of a software interface for document printing and finishing options. The interface is organized into several sections:

- Navigation Bar:** Located at the top, it includes tabs for "PRINTER", "BASIC", "EDITING", "FINISHING", and "OTHERS". The "PRINTER" tab is currently selected.
- One-Click Set Name:** A section labeled "ONE-CLICK SET NAME:" with a dropdown menu showing "NORMAL".
- Printing Paper Size:** A section labeled "PRINTING PAPER SIZE:" with a dropdown menu showing "A4 (210X297mm)".
- Aggregation Options:** A section labeled "AGGREGATED OR ENLARGED RAPID SHOOTING:" with a checkbox labeled "FROM LEFT TO RIGHT". Below this is a section labeled "AGGREGATE TWO PAGES IN ONE PAGE" with a dropdown menu showing "1" and "2".
- Partition Line:** A section labeled "PARTITION LINE" with a checkbox labeled "a13".
- Double Face/Binding:** A section labeled "DOUBLE FACE/BINDING : DOUBLE FACE, OPEN TO LEFT" with a checkbox labeled "a14". Below this is a section labeled "DOUBLE FACE/BINDING : DOUBLE FACE, OPEN TO LEFT" with a checkbox labeled "a14".
- Stamps:** A section labeled "STAMP" with a checkbox labeled "a15". Below this are buttons for "CONFIDENTIAL", "ADD IMAGE STAMP", "EDIT", "DELETE", "ADD CHARACTER STAMP", and "RETURN TO STANDARD".
- Binding Margin:** A section labeled "BINDING MARGIN : RIGHT FACE: 0.0 MM : REAR FACE : 0.0 MM" with a checkbox labeled "a16".
- Details of Binding Margin:** A section labeled "DETAILS OF BINDING MARGIN" with a checkbox labeled "a17".
- Buttons:** At the bottom, there are buttons for "STORE WITH A NAME", "CANCEL", and "HELP".

The interface also includes various labels and icons for navigation and selection, such as "b11", "b12", "b13", "a10", "a11", "a12", "a13", "a14", "a15", "a16", "a17", "a18", "b18", "d10", "d11", "d12", "d13", "d14", "d15", "d16", "d17", "d18", "d19", "d20", "d21", "d22", "d23", "d24", "d25", "d26", "d27", "d28", "d29", "d30", "d31", "d32", "d33", "d34", "d35", "d36", "d37", "d38", "d39", "d40", "d41", "d42", "d43", "d44", "d45", "d46", "d47", "d48", "d49", "d50", "d51", "d52", "d53", "d54", "d55", "d56", "d57", "d58", "d59", "d60", "d61", "d62", "d63", "d64", "d65", "d66", "d67", "d68", "d69", "d70", "d71", "d72", "d73", "d74", "d75", "d76", "d77", "d78", "d79", "d80", "d81", "d82", "d83", "d84", "d85", "d86", "d87", "d88", "d89", "d90", "d91", "d92", "d93", "d94", "d95", "d96", "d97", "d98", "d99", "d100".



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FIG.21

PRINTER PROPERTIES

PRINTING FUNCTION

PRINTING QUALITY

ONE-CLICK SET NAME:

11

12

13

14

15

AGGREGATION (DOUBLE FACE)

STAPLE UPPER LEFT (DOUBLE FACE)

STAPLE UPPER LEFT

AGGREGATION 1/2, STAPLE: UPPER LEFT

CONTROL OF ICON

DOUBLE FACE STAMP PUNCH

ONE-CLICK SETTING CREATION/CHANGE

PAPER FEED TRAY:

SELECT AUTOMATIC TRAY

PAPER TYPE:

REGULAR PAPER

PAPER EJECTING DESTINATION:

FINISHER TRAY 1

DOCUMENT ORIENTATION

☒ LENGTHWISE
 ☐ SIDEWISE

DOCUMENT SIZE:

A4 (210X297mm)

MAGNIFICATION (%): 100

☒ SAME AS DOCUMENT SIZE
 ☐ RETURN TO STANDARD

NUMBER OF SETS

1

PRINTING DIRECTION:

NORMAL PRINTING

DETAILS OF PRINTING METHOD

INITIAL SETTING

OK

CANCEL

APPLY (A)

HELP

FIG.22

